Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U. S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTIFY (As used on label) **Rite Lok® cyanoacrylate adhesives: EC, PR, SF and SI grades.**	NOTE: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate it.
Section I	
Manufacture's Name Chemence Inc.	Emergency Telephone Number 1-800-424-9300 (International Number) 703-527-3887
Address (Number, Street, City, State and ZIP Code)	Telephone Number for Information (770)-664-6624
185 Bluegrass Valley Parkway	Data Prepared 06-24-04
Alpharetta, GA 30005	Signature of Preparer (Optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specify Chemical Identity: Common Name(s) OSHA PEL ACGIH TLV Other Limits Recommended (% Optional)			
HMIS Hazard Rating: Health 2 (moderate) Flammability 2 (moderate) Physical hazard 1 (slight)			
Ethyl cyanoacrylate 7085-85-0	85-100%	OSHA PEL (None)	ACGIH (TWA) 0.2ppm
Poly (methyl methacrylate 9011-14-7	1-15%		
Hydroquinone 123-31-9	0.1-0.5%	OSHA PEL 2mg/m^3 TWA	ACGIH (TWA) 2mg/m^3

Section III – Physical/Chemical Characteristics

Boiling Point	> 212 °F	Specific Gravity (H2O =1)	1.05 – 1.16
Vapor Pressure (mm Hg)	< 0.2 mm Hg @ 75 °F	Melting Point	Not Determined
Vapor Density (AIR = 1)	Approximately 3	Evaporation Rate (Butyl Acetate = 1)	Not Determined
Solubility in Water :	Polymerizes in the presence of water		
Appearance and Odor:	Clear Liquid with sharp irritating odor (Odor Threshold: 1-2ppm)		
Percent Volatile, by volume:	Less than 20g/l (California SCAQMD method 316B)		

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	176 - 200°F (T.C.C.)	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media: Dry chemical, Foam, Carbon dioxide		Autoignition Temperature: 905°F		
Special Fire Fighting Procedures: Full protective equipment including Self Contained Breathing Apparatus is recommended				
Unusual Fire and Explosion Hazards. Irritating organic vapors				

Section V – Health Hazard Data

Ingestion: Ingestion is not likely. The product will polymerize rapidly, adhering to the mouth. Ensure breathing passages are clear. Saliva will separate any solidified product within two days. Prevent accidental swallowing.

Skin: bonds skin rapidly and strongly and may cause burns. Soak affected area with warm soapy water. Gently peel bonded skin, DO NOT PULL SKIN APART. If skin is burned by a large drop (due to heat generated by the polymerization) seek medical help. If lips are accidentally bonded, apply warm soapy water, encourage maximum wetting and pressure from saliva inside the mouth and peel or roll lips apart. DO NOT TRY TO PULL LIPS APART.

Inhalation: May be irritating to respiratory system above recommended exposure limits. Remove to fresh air. If breathing is difficult seek medical attention. Prolonged and repeated overexposure to vapors may produce non-allergic asthma in sensitive individuals.

Eyes: Irritating to eyes. Immediately flush eyes with plenty of water for at least 15 minutes and get prompt medical attention. If eyelids are bonded closed, cover with a wet pad. DO NOT FORCE EYES OPEN. Cyanoacrylate will bond to eye protein and cause a lachrymatory effect which will help de-bond the adhesive. Keep eye covered until de-bonding is complete (usually 1-4 days).

Carcinogenicity Inds: NTP: NO, IARC: NO, OSHA: NO

Section VI – Reactivity Data

Stability	Unstable		Elevated temperatures, direct sunlight, and sources of ignition.
	Stable	X	Stable under recommended storage conditions.
Incompatibility *(Materials to avoid)* Polymerization initiators: water, amines, alkali and alcohol.			

Section VI – Reactivity Data (cont)

Hazardous Decomposition Products	None		
Hazardous Polymerization	May occur	X	Rapid polymerization will occur in the presence of water, amines, alkalis and alcohol. Avoid skin contact.
	Will not occur		
Conditions of reactivity Product can become unstable in the presence of polymerization initiators (water, amines alkali, etc.)			

Section VII – Spill or Leak Procedures

Accidental Release Measures: Remove all ignition sources. Ventilate area, prevent product from entering drains. Flood with water to complete polymerization. Scrape off floor. Cured material can be disposed of as non-hazardous waste.

Section VII – Special Protective Information

Respiratory Protection *(Specify Type)* At high vapor concentrations, an approved self-contained breathing apparatus should be worn.		
Ventilation	Local Exhaust Positive down-draft exhaust ventilation should be provided to maintain vapor concentrations below established exposure limits.	Special None
	Mechanical Not Applicable	Other None
Protective Gloves Use nitrile gloves and aprons as necessary to prevent contact. Do not use PVC, nylon or cotton.	Eye Protection Chemical splash goggles or safety glasses with side shields.	

Section IX – Special Precautions

Precautions: Keep away from heat, sparks, flames, and direct sunlight. Avoid contact with eyes, skin and clothing. Wear chemical resistant gloves when handling. Avoid inhalation of vapors.

Other handling information: Avoid contact with polymerization initiators such as water, alcohol, amines or alkali.

Storage information: Store in tightly closed, labeled containers at or below 75°F. Keep in well ventilated area away from heat, sparks and open flames.

Section X – Transportation Information

U.S. Department of Transportation Ground (49 CFR):
- Proper shipping Name: Combustible liquids, n.o.s. (Cyanoacrylate ester)
- Hazard class or division: Combustible liquid
- Identification Number: NA 1993
- Packing Group: None
- Exceptions: (Not more than 450 liters) unrestricted
- Marine Pollutant: None

International Air Transportation (ICAO/IATA):
- Proper shipping Name: Aviation regulated liquids, n.o.s. (Cyanoacrylate ester)
- Hazard class or division: 9
- Identification Number: UN 3334
- Packing Group: III
- Exceptions: (Not more than 500 ml) Unrestricted

Section XI – Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or exempt from listing on the Toxic Substance Control Act Inventory

CEPA DSL/NDSL Status: All components are listed on or exempt from listing on the Domestic Substance List

California Proposition 65: No California Proposition 65 listed chemicals are know to be present.